

Inventor: Jones, et al.  
Title: Flipper Arm Ejector

1

### Abstract

2       Apparatuses and methods for deflecting a product from a distribution conveyor of a product  
3 determination and separation line are provided. Ejectors are positioned along a conveyor and are  
4 selectively activated and deactivated to result in deflection of product from the conveyor into a  
5 desired bin or other storage location. A flipper arm of the ejector is positioned to at least partially  
6 overlap the surface of the conveyor belt to reduce wear and ravel of the conveyor belt. An actuator  
7 which rotates the flipper arm is positioned above the conveyor to allow for easy cleaning and  
8 maintenance. The ejector is releasably and pivotally connected to the frame of the conveyor to allow  
9 for further ease of cleaning and maintenance.

10

11

WA 720642.3